

**EAST Search History****EAST Search History (Prior Art)**

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S1	1	"7563530".pn.	US-PGPUB; USPAT	OR	ON	2009/09/04 07:45
S2	10	("20010037000"   "20020105345"   "20020119353"   "20030091887"   "5033293"   "6303244"   "6306285"   "6488837"   "6686081"   "6890674").PN. OR ("7563530").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/09/04 07:45
S3	12	("20020182474"   "4420544"   "5573866"   "5599638"   "5773162"   "5795496"   "5945231"   "5992008"   "6096448"   "6289888").PN. OR ("6890674").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/09/04 07:46
S4	40	("3410780"   "3464008"   "3480520"   "4003705"   "4025412"   "4575410"   "4629664"   "4744954"   "4752361"   "4875900"   "5118398"   "5151166"   "5173166"   "5322602"   "5518830"   "5599638"   "5773162"   "5897766").PN. OR ("6306285").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/09/04 07:50

S5	1	10/561390	US-PGPUB; USPAT	OR	ON	2009/09/04 07:56
S6	1249	429/12-46.cccls. and (fuel ethanol "c.sub.2h. sub.6o" "c.sub.2h. sub.5oh" etoh ethyl adj alcohol pure adj alcohol grain adj alcohol drinking adj alcohol dimethyl adj ether "ch.sub.3och. sub.3" methanol "ch. sub.3oh" methyl adj alcohol carbinol wood adj alcohol wood adj naphtha wood adj spirits) with (concentration) with (sens\$3 detect\$3 monitor\$3 measur\$3 measurement determin \$3 determination)	US-PGPUB; USPAT; USOCR	OR	ON	2009/09/04 08:01
S7	16	S6 and (concentration) with (sens\$3 detect\$3 monitor\$3 measur\$3 measurement determin \$3 determination) with pH	US-PGPUB; USPAT; USOCR	OR	ON	2009/09/04 08:24
S8	2	"6254748".pn. "5624538".pn.	US-PGPUB; USPAT; USOCR	OR	ON	2009/09/04 08:59
S9	7	("20010049045"   "4523852"   "5098477"   "5192984"   "5229295"   "6326097").PN. OR ("6998185").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/09/04 09:12
S10	33	S6 and (alarm warning) with concentration	US-PGPUB; USPAT; USOCR	OR	ON	2009/09/04 09:13
S11	15	S6 and (alarm warn\$3) same (low\$2 high\$2 desir\$3 necessary need \$2) same concentration not (S10)	US-PGPUB; USPAT; USOCR	OR	ON	2009/09/04 09:34

S12	2	S6 and (chang\$3 replac \$3) with (fuel ethanol "c.sub.2h.sub.6o" "c. sub.2h.sub.5oh" etoh ethyl adj alcohol pure adj alcohol grain adj alcohol drinking adj alcohol dimethyl adj ether "ch.sub.3och. sub.3" methanol "ch. sub.3oh" methyl adj alcohol carbinol wood adj alcohol wood adj naptha wood adj spirits) with (cartridge tank supply) with (alarm warn\$3 notic\$3 notify)	US-PGPUB; USPAT; USOCR	OR	ON	2009/09/04 09:40
S13	9	S6 and (chang\$3 replac \$3) with (fuel ethanol "c.sub.2h.sub.6o" "c. sub.2h.sub.5oh" etoh ethyl adj alcohol pure adj alcohol grain adj alcohol drinking adj alcohol dimethyl adj ether "ch.sub.3och. sub.3" methanol "ch. sub.3oh" methyl adj alcohol carbinol wood adj alcohol wood adj naptha wood adj spirits) with (alarm warn\$3 notic\$3 notify)	US-PGPUB; USPAT; USOCR	OR	ON	2009/09/04 09:41
S14	1	"20030157385".pn.	US-PGPUB; USPAT	OR	ON	2009/09/04 09:50
S15	662	429/12-46.ccls. and (DMFC direct adj methanol) and (concentration) with (sens\$3 detect\$3 monitor\$3 measur\$3 measurement determin \$3 determination)	US-PGPUB; USPAT; USOCR	OR	ON	2009/09/04 09:54
S16	22	S15 and (alarm notic \$3 notification warning display\$3) with (tank cartridge supply) near (methanol meoh fuel "ch.sub.3oh")	US-PGPUB; USPAT; USOCR	OR	ON	2009/09/04 09:56

S17	50	S6 and (concentration) with (sens\$3 detect\$3 monitor\$3 measur\$3 measurement determin \$3 determination) with resistance	US-PGPUB; USPAT; USOCR	OR	ON	2009/09/04 10:03
S18	1	S6 and (concentration) with (sens\$3 detect\$3 monitor\$3 measur\$3 measurement determin \$3 determination) with (terminal) with hydrophobic	US-PGPUB; USPAT; USOCR	OR	ON	2009/09/04 10:37
S19	0	S15 and (hydrophobic) with (terminal) with (corrosion corrosive degrad\$3)	US-PGPUB; USPAT; USOCR	OR	ON	2009/09/04 10:39
S20	2	S15 and (hydrophobic) with (terminal)	US-PGPUB; USPAT; USOCR	OR	ON	2009/09/04 10:39
S21	32	S15 and (hydrophobic) with (electrode)	US-PGPUB; USPAT; USOCR	OR	ON	2009/09/04 10:42
S22	9	S6 and (hydrophobic hydrophobicity) with (sens\$3 detect\$3 monitor\$3 measur\$3 measurement determin \$3 determination)	US-PGPUB; USPAT; USOCR	OR	ON	2009/09/04 10:43
S23	9	S6 and (hydrophobic hydrophobicity) same (sens\$3 detect\$3 monitor\$3 measur\$3 measurement determin \$3 determination) same (acid\$3 bas\$2 environment corrosion corrosive protect\$3)	US-PGPUB; USPAT; USOCR	OR	ON	2009/09/04 10:46
S24	1249	429/12-46.ccls. and (fuel ethanol "c.sub.2h. sub.6o" "c.sub.2h. sub.5oh" etoh ethyl adj alcohol pure adj alcohol grain adj alcohol drinking adj alcohol dimethyl adj ether "ch.sub.3och. sub.3" methanol "ch. sub.3oh" methyl adj alcohol carbinol wood adj alcohol wood adj naphtha wood adj spirits) with	US-PGPUB; USPAT; USOCR	OR	ON	2009/09/04 13:26

		(concentration) with (sens\$3 detect\$3 monitor\$3 measur\$3 measurement determin \$3 determination)				
S25	507	S24 and (sens\$3 detect \$3 monitor\$3 measur \$3 measurement determin\$3 determination) with (electrolyte polymer membrane nafion)	US-PGPUB; USPAT; USOCR	OR	ON	2009/09/04 13:31
S26	30	S24 and (concentration) with (sens\$3 detect\$3 monitor\$3 measur\$3 measurement determin \$3 determination) with (integral integrat\$3 "same" join\$3 combin \$5 mingl\$3 unif\$3 unification) with (electrolyte electrolytic membrane separator)	US-PGPUB; USPAT; USOCR	OR	ON	2009/09/04 14:34
S27	1099	429/23.ccls.	US-PGPUB; USPAT; USOCR	OR	ON	2009/09/04 14:40
S28	1025	S27 not (S25 S26)	US-PGPUB; USPAT; USOCR	OR	ON	2009/09/04 14:40
S29	14	S24 and (concentration) with (sens\$3 detect\$3 monitor\$3 measur\$3 measurement determin \$3 determination) with (integral integrat\$3 combin\$5) with (electrolyte electrolytic membrane)	US-PGPUB; USPAT; USOCR	OR	ON	2009/09/04 14:42
S30	233	S24 and (concentration) with (sens\$3 detect\$3 monitor\$3 measur\$3 measurement determin \$3 determination) with (cartridge tank cassette)	US-PGPUB; USPAT; USOCR	OR	ON	2009/09/04 14:47
S31	169	S30 not S25	US-PGPUB; USPAT; USOCR	OR	ON	2009/09/04 14:48

S32	6	S24 and (remov\$4 chang\$3) with (cartridge cassette) with (methanol meoh "ch.sub.3oh" fuel) with empty	US-PGPUB; USPAT; USOCR	OR	ON	2009/09/04 14:55
S33	90	S24 and (remov\$4 chang\$3) with (cartridge cassette) with (methanol meoh "ch.sub.3oh" fuel)	US-PGPUB; USPAT; USOCR	OR	ON	2009/09/04 14:56
S34	50	S33 not (S32 S31)	US-PGPUB; USPAT; USOCR	OR	ON	2009/09/04 14:56
S35	336	429/12-46.ccls. and (remov\$4 chang\$3 detatch\$4) with (cartridge cassette) with (methanol meoh "ch.sub.3oh" fuel)	US-PGPUB; USPAT; USOCR	OR	ON	2009/09/04 15:00
S36	246	S35 not (S30 S32 S34)	US-PGPUB; USPAT; USOCR	OR	ON	2009/09/04 15:01
S37	42	S36 and (remov\$4 chang\$3 detatch\$4) with (ease easy easily)	US-PGPUB; USPAT; USOCR	OR	ON	2009/09/04 15:01
S38	204	S36 not S37	US-PGPUB; USPAT; USOCR	OR	ON	2009/09/04 15:03
S39	159	S28 and (concentration) with (sens\$3 detect\$3 monitor\$3 measur\$3 measurement determin \$3 determination)	US-PGPUB; USPAT; USOCR	OR	ON	2009/09/04 15:20
S40	487	429/22.ccls. and (concentration) with (sens\$3 detect\$3 monitor\$3 measur\$3 measurement determin \$3 determination)	US-PGPUB; USPAT; USOCR	OR	ON	2009/09/04 15:23
S41	306	S40 not (S39 S30 S32 S34)	US-PGPUB; USPAT; USOCR	OR	ON	2009/09/04 15:24
S42	1801	429/22-23.ccls. not (S26 S30 S32 S34 S39 S41)	US-PGPUB; USPAT; USOCR	OR	ON	2009/09/04 15:25
S43	70	429/12-46.ccls. and concentration with pH with (temperature resistance dielectric size expand\$3 contract \$3)	US-PGPUB; USPAT; USOCR	OR	ON	2009/09/08 06:52

S44	52	429/12-46.ccls. and (DMFC direct adj methanol) and (concentration) with (sens\$3 detect\$3 monitor\$3 measur\$3 measurement determin \$3 determination) with (many two multiple plural plurality)	US-PGPUB; USPAT; USOCR	OR	ON	2009/09/08 07:43
S45	0	429/12-46.ccls. and (DMFC direct adj methanol) and (concentration) with (sens\$3 detect\$3 monitor\$3 measur\$3 measurement determin \$3 determination) with (backup "back-up")	US-PGPUB; USPAT; USOCR	OR	ON	2009/09/08 07:49
S46	4	429/12-46.ccls. and (concentration) with (sens\$3 detect\$3 monitor\$3 measur\$3 measurement determin \$3 determination) with (backup "back-up")	US-PGPUB; USPAT; USOCR	OR	ON	2009/09/08 07:49
S47	135	429/12-46.ccls. and (concentration) with (sens\$3 detect\$3 monitor\$3 measur\$3 measurement determin \$3 determination) with (many two multiple plural plurality) not S44	US-PGPUB; USPAT; USOCR	OR	ON	2009/09/08 07:50
S48	66	S47 and (concentration) with (sens\$3 detect\$3 monitor\$3 measur\$3 measurement determin \$3 determination) near4 (many two multiple plural plurality)	US-PGPUB; USPAT; USOCR	OR	ON	2009/09/08 07:51
S49	8	429/12-46.ccls. and concentration with depend\$3 with (temperature and pH)	US-PGPUB; USPAT; USOCR	OR	ON	2009/09/08 08:06

S50	0	429/12-46.ccls. and concentration with reli \$3 with (temperature and pH)	US-PGPUB; USPAT; USOCR	OR	ON	2009/09/08 08:07
S51	5	429/12-46.ccls. and concentration with (determin\$3 based) with (temperature and pH)	US-PGPUB; USPAT; USOCR	OR	ON	2009/09/08 08:08
S52	159	429/12-46.ccls. and (DMFC direct adj methanol) and (concentration) with (sens\$3 detect\$3 monitor\$3 measur\$3 measurement determin \$3 determination) with (in within inside) with (tank storage fuel flow)	US-PGPUB; USPAT; USOCR	OR	ON	2009/09/08 08:29
S53	4	("20040013928"   "5573866"   "5599638"   "6248460").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/09/08 08:33
S54	55	429/12-46.ccls. and (DMFC direct adj methanol) and (concentration) with (sens\$3 detect\$3 monitor\$3 measur\$3 measurement determin \$3 determination) with (in within inside) with (tank storage container)	US-PGPUB; USPAT; USOCR	OR	ON	2009/09/08 08:35
S55	3	("20030198852"   "20040185314"   "5599638").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/09/08 08:42
S56	36	429/12-46.ccls. and (fuel ethanol "c.sub.2h. sub.6o" "c.sub.2h. sub.5oh" etoh ethyl adj alcohol pure adj alcohol grain adj alcohol drinking adj alcohol dimethyl adj ether "ch.sub.3och. sub.3" methanol "ch. sub.3oh" methyl adj alcohol carbinol wood adj alcohol wood adj naptha wood adj	US-PGPUB; USPAT; USOCR	OR	ON	2009/09/08 08:59

		spirits) with (concentration) with (sens\$3 detect\$3 monitor\$3 measur\$3 measurement determin \$3 determination) with (resistance)				
S57	870	fuel adj (cell battery) and (fuel ethanol "c. sub.2h.sub.6o" "c. sub.2h.sub.5oh" etoh ethyl adj alcohol pure adj alcohol grain adj alcohol drinking adj alcohol dimethyl adj ether "ch.sub.3och. sub.3" methanol "ch. sub.3oh" methyl adj alcohol carbinol wood adj alcohol wood adj naptha wood adj spirits) with (concentration) with (sens\$3 detect\$3 monitor\$3 measur\$3 measurement determin \$3 determination) not us.pc.	FPRS; EPO; JPO; DERWENT	OR	ON	2009/09/08 09:19
S58	713	S57 and (h01m8\$.ipcr. h01m008\$.ipc.)	FPRS; EPO; JPO; DERWENT	OR	ON	2009/09/08 09:21
S59	157	S57 not S58	FPRS; EPO; JPO; DERWENT	OR	ON	2009/09/08 09:35
S60	1	JP58165247\$	FPRS; EPO; JPO; DERWENT	OR	ON	2009/09/08 09:36
S61	1	JP-58165247\$.pn.	FPRS; EPO; JPO; DERWENT	OR	ON	2009/09/08 09:36
S62	1	JP-57047429\$	FPRS; EPO; JPO; DERWENT	OR	ON	2009/09/08 09:37
S63	1	"5599638".pn. and concentration with "22"	US-PGPUB; USPAT	OR	ON	2009/09/08 09:49
S64	5	429/12-46.ocls. and concentration with (pH with temperature) with indicat\$3	US-PGPUB; USPAT; USOCR	OR	ON	2009/09/08 10:11

S65	1	429/12-46.ccls. and (direct adj methanol dmfc) and (pH with temperature) with resistance with concentration	US-PGPUB; USPAT; USOCR	OR	ON	2009/09/08 10:13
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MeOH conc sens.wsp